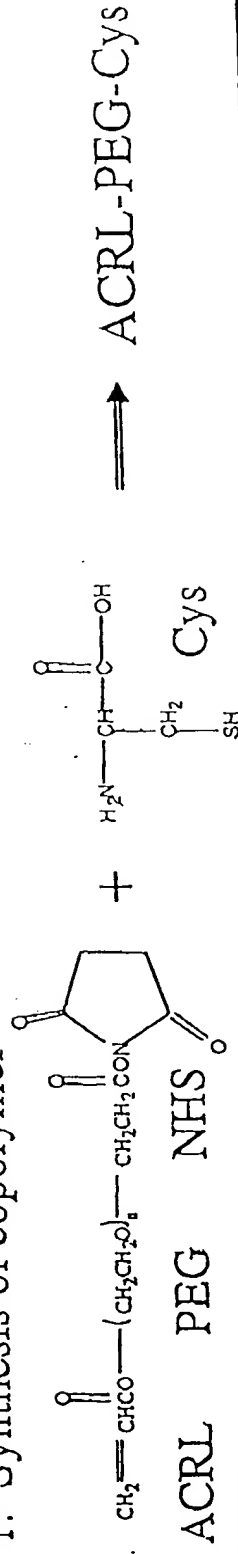
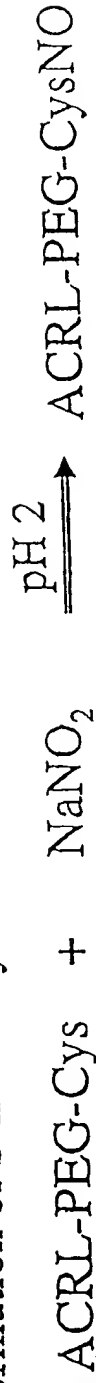


# DOI: 10.1002/sct.201600000 Synthesis of S-nitrosocysteine hydrogels

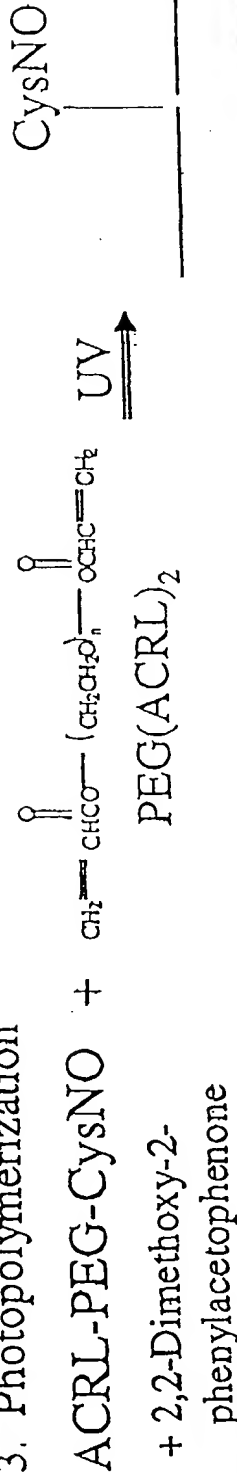
## 1. Synthesis of copolymer



## 2. Formation of S-nitrosocysteine



## 3. Photopolymerization



## 4. Release of NO

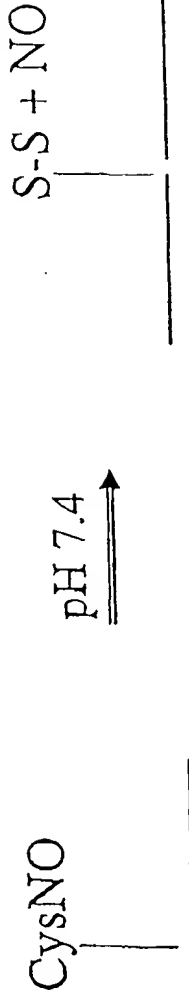


FIGURE 1

# Synthesis of Lys<sub>5</sub>-NO-nucleophile complex hydrogels

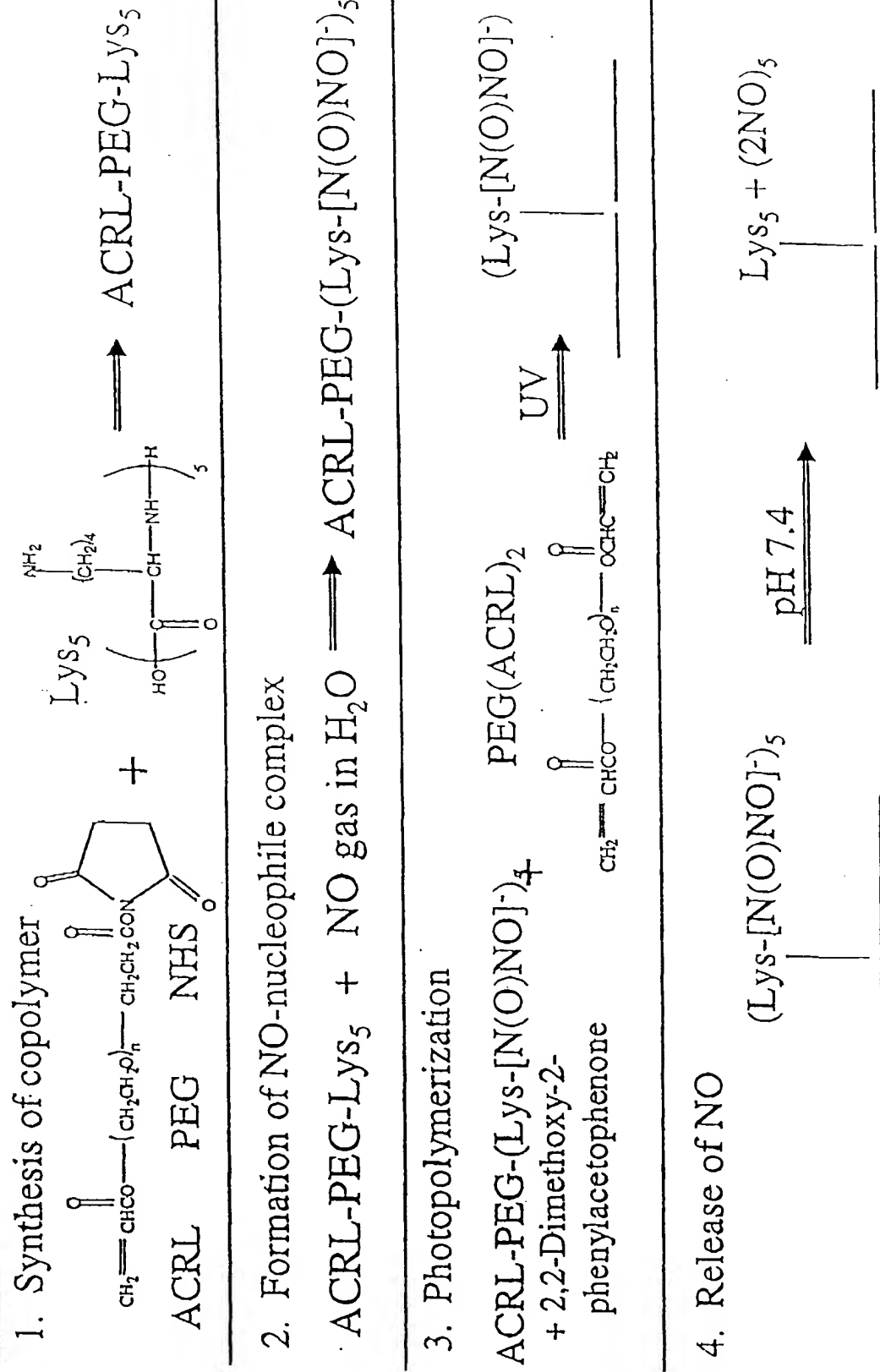
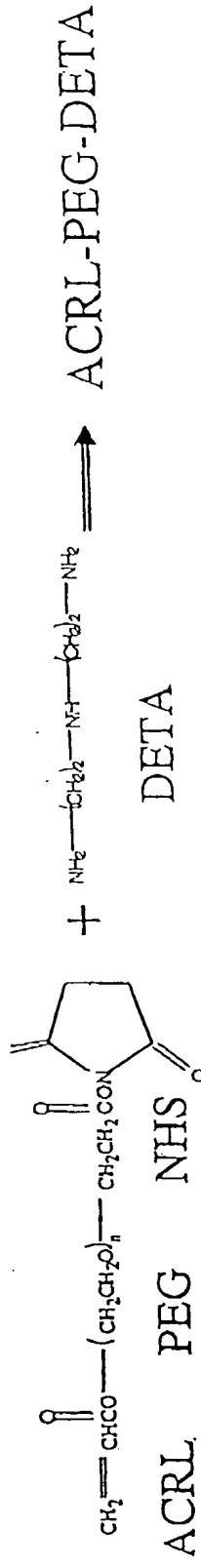


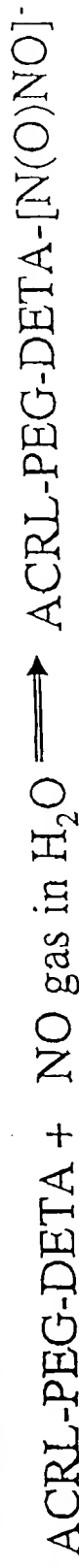
FIGURE 2

# Synthesis of DETA-NO-nucleophile complex hydrogels

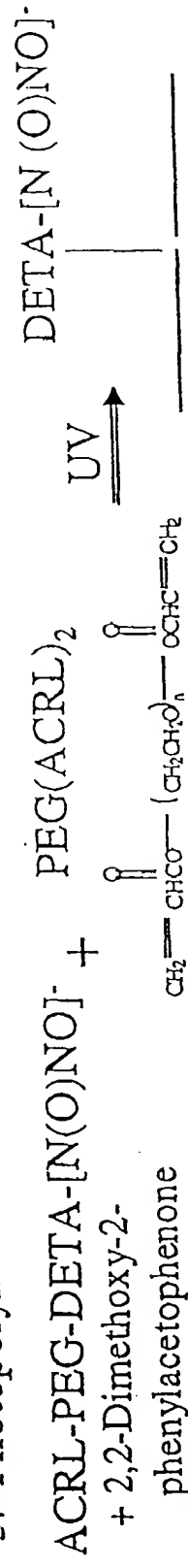
## 1. Synthesis of copolymer<sub>o</sub>



## 2. Formation of NO-nucleophile complex



## 3. Photopolymerization



## 4. Release of NO

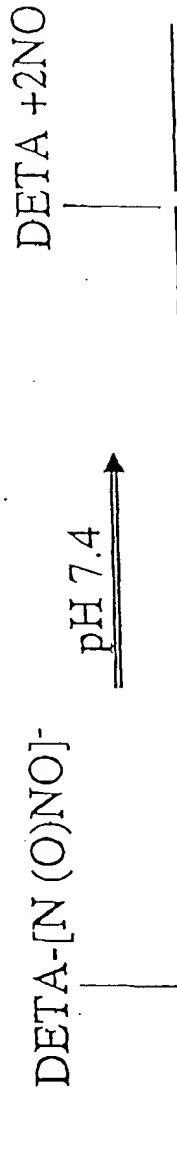


FIGURE 3

007060" 904E960

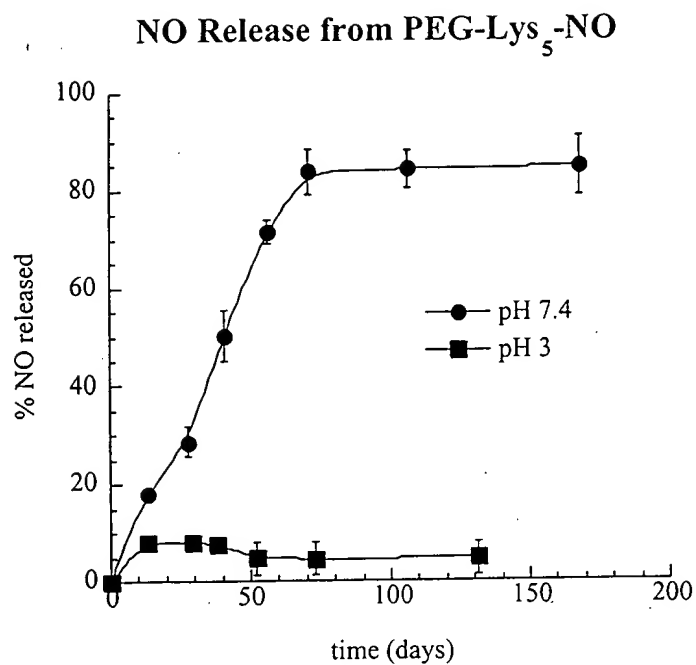


FIGURE 4

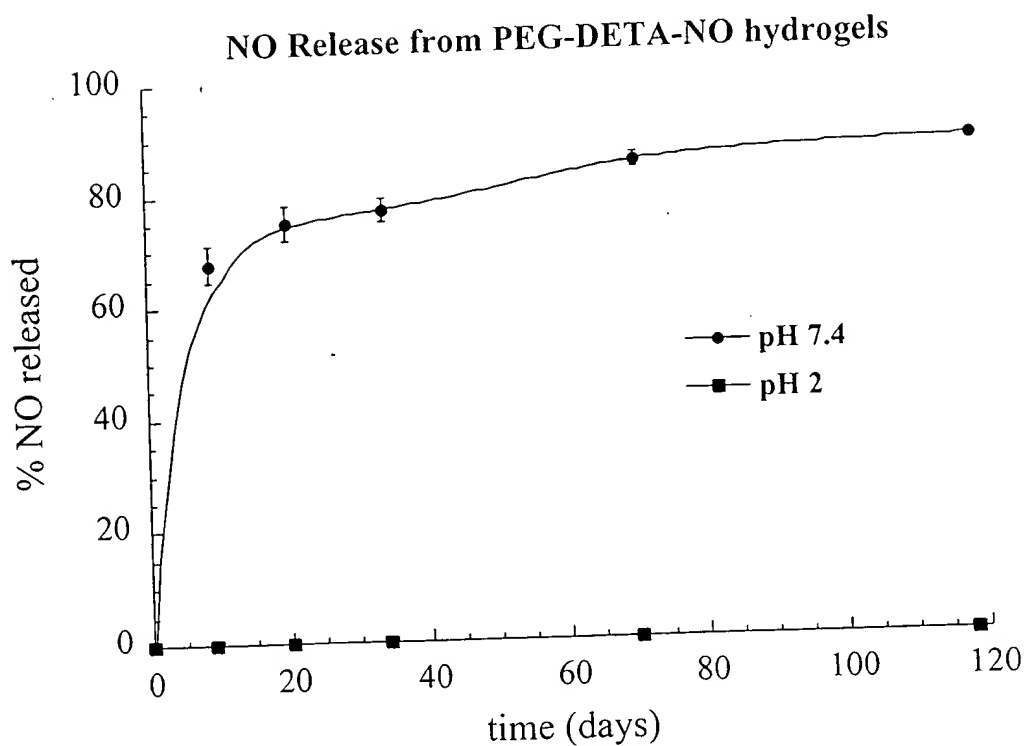


FIGURE 5

001050" 304E5960

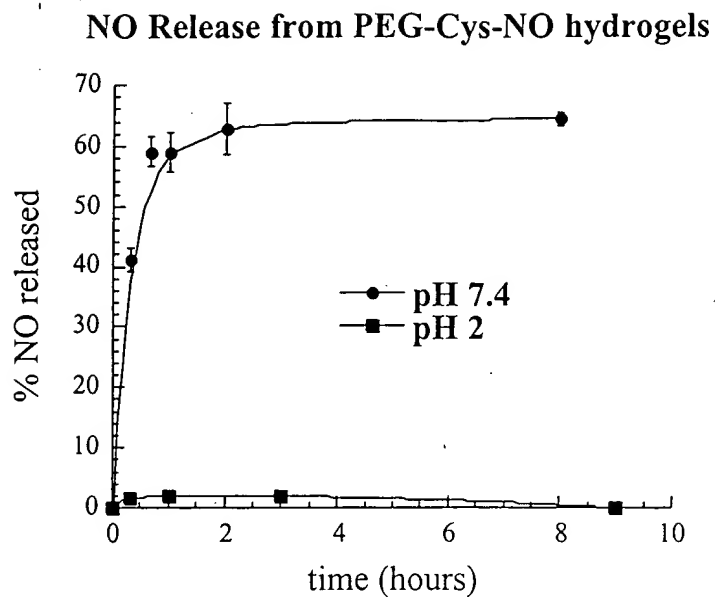


FIGURE 6

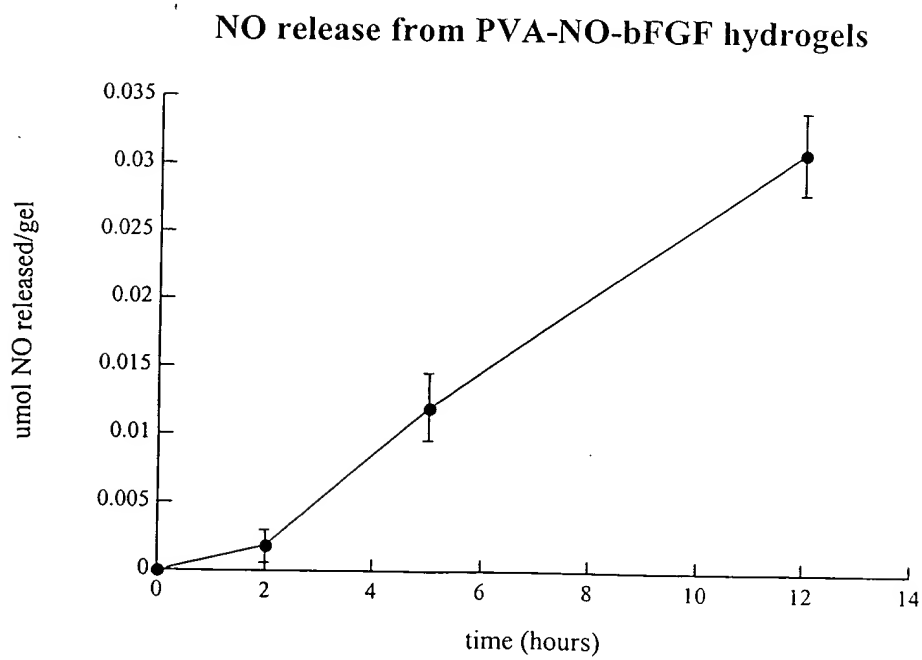


Figure 7

# Lys-NO hydrogels inhibit SMC proliferation

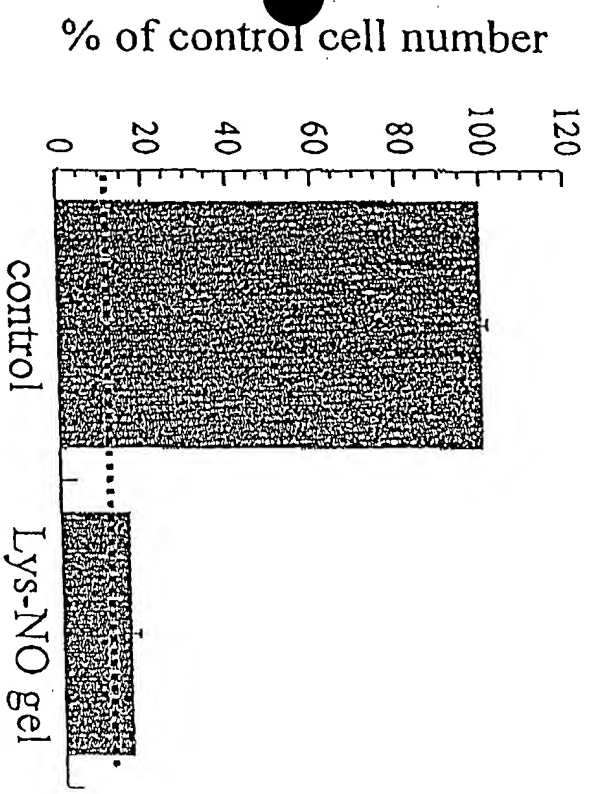


FIGURE 84

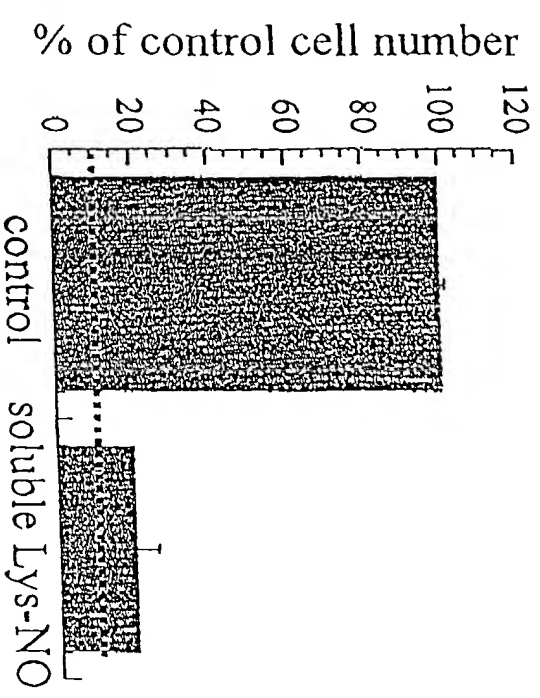


FIGURE 86

09553406, 090100

# DETA-NO hydrogels inhibit SMC proliferation

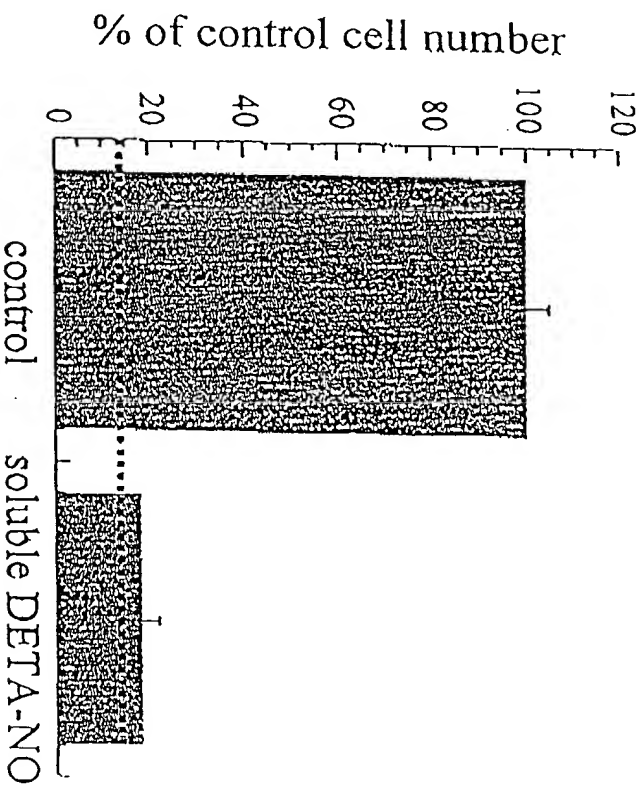
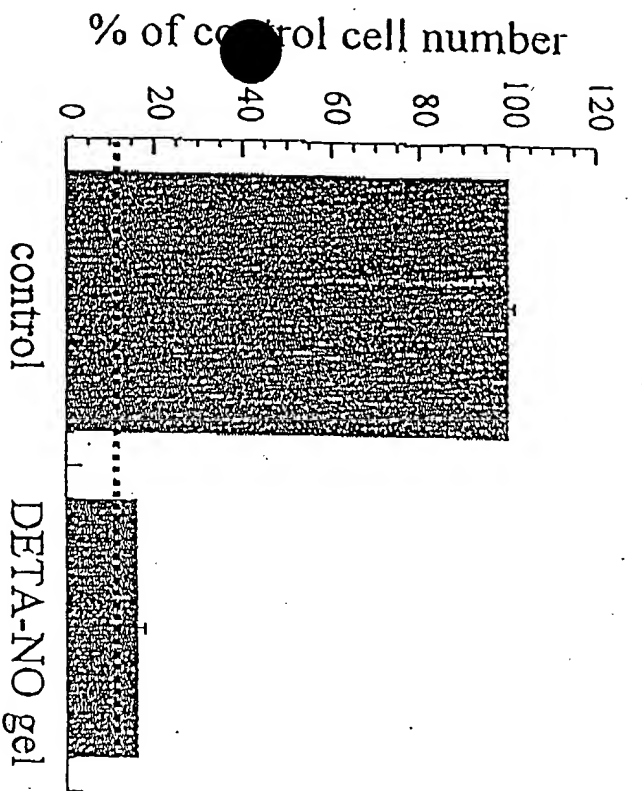
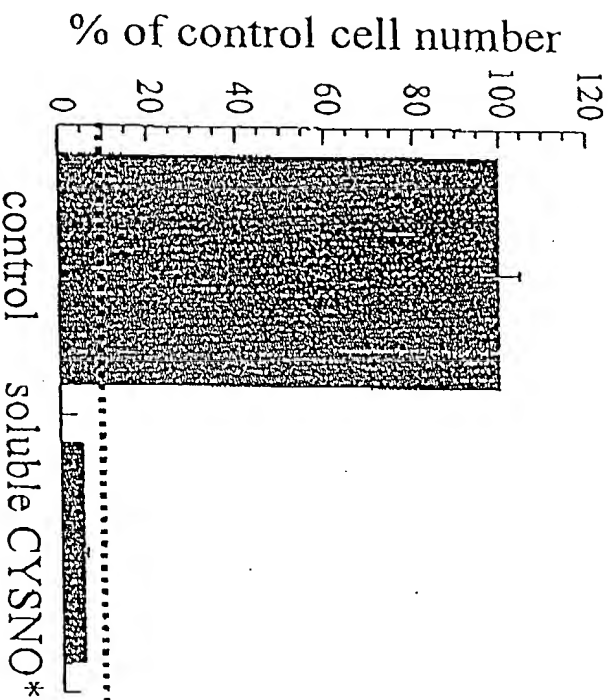
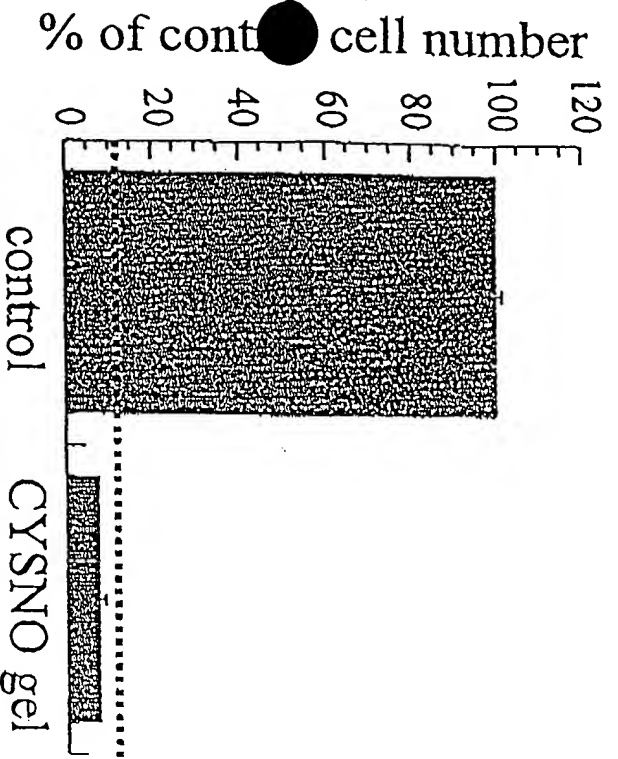


FIGURE 9A

# CYSNO hydrogels inhibit SMC proliferation



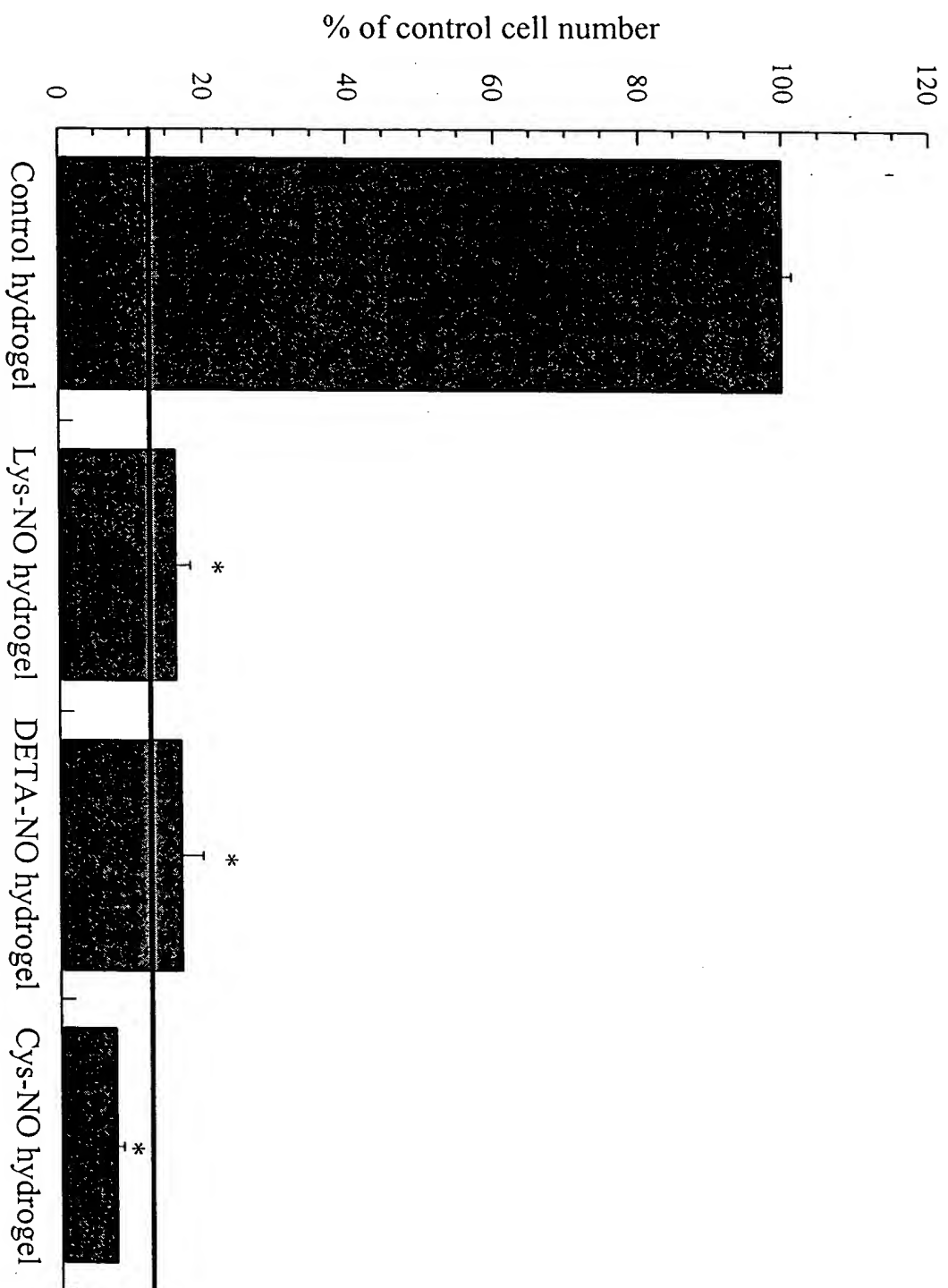
\* indicates different CYSNO concentration than used for hydrogel

FIGURE 10A

FIGURE 10B



# NO-releasing hydrogels inhibit smooth muscle cell growth



007060" 904E5960

### NO release from PVA-NO-bFGF hydrogels

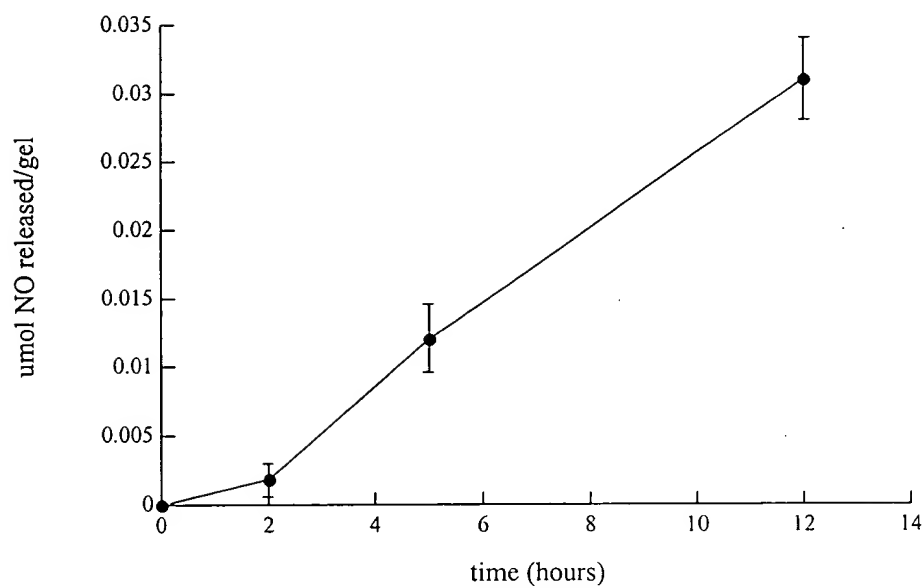


Figure 12A

### bFGF release from PVA-NO-bFGF hydrogels

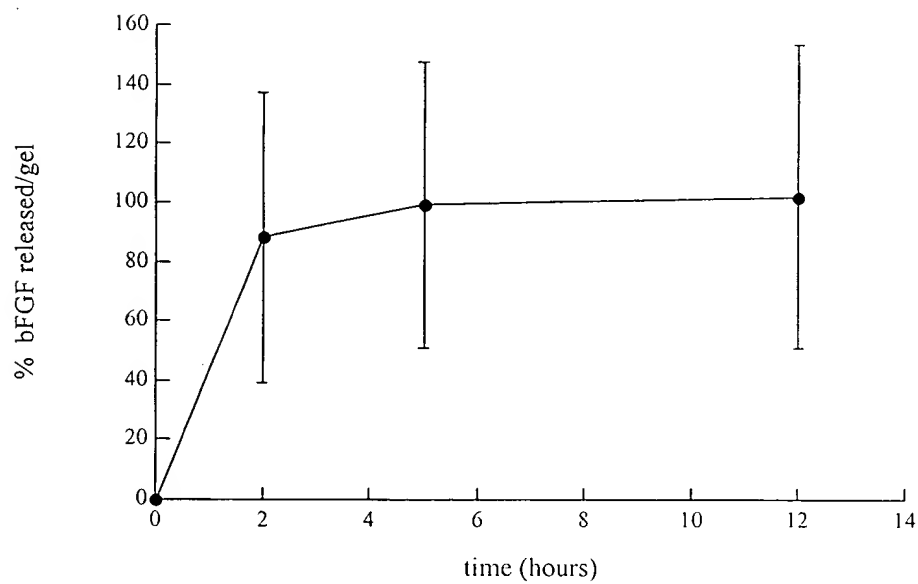


Figure 12B